

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120920\
 Data File : VN065030.D
 Acq On : 9 Dec 2020 19:02
 Operator : JC/MD
 Sample : PB133472ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133472ZHE#11

Quant Time: Dec 10 04:54:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	162108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	324632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	337083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136758	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.99	65	108410	57.52	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.04%	
35) Dibromofluoromethane		7.55	113	99651	51.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.60%	
50) Toluene-d8		10.06	98	404390	50.95	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.90%	
62) 4-Bromofluorobenzene		12.38	95	147062	51.77	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.54%	

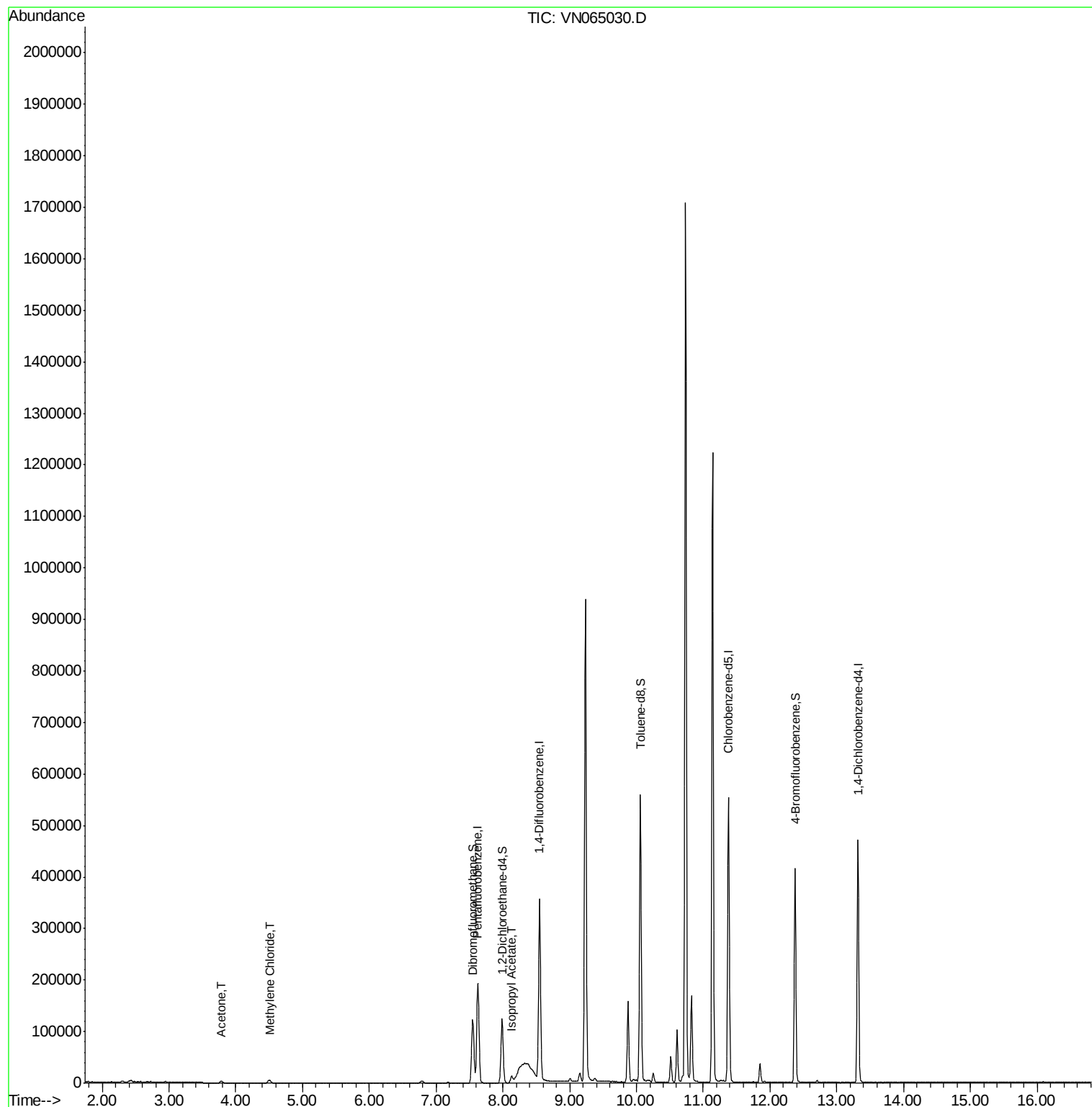
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5668	9.149	ug/l	97
20) Methylene Chloride	4.51	84	4808	2.477	ug/l	90
43) Isopropyl Acetate	8.13	43	18352	3.935	ug/l #	91

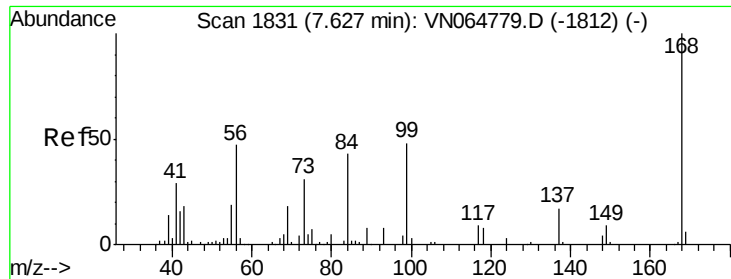
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065030.D

Acq: 9 Dec 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

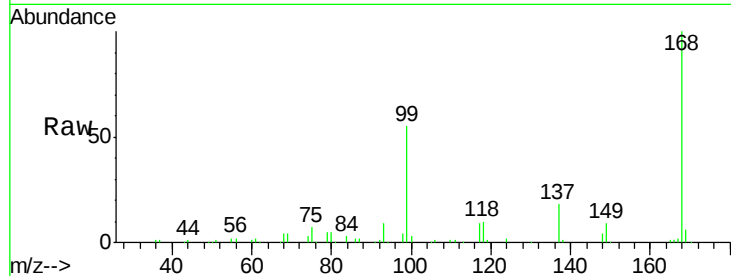
PB133472ZHE#11

Tot Ion:168 Resp: 162108

Ion Ratio Lower Upper

168 100

99 55.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

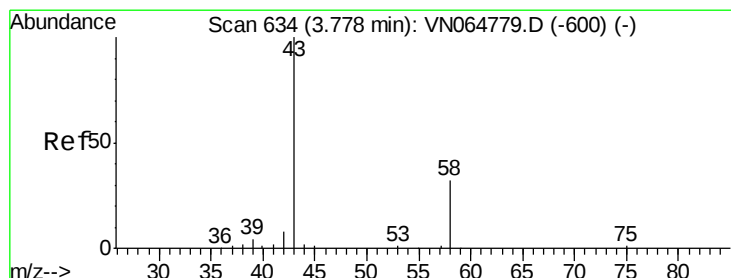
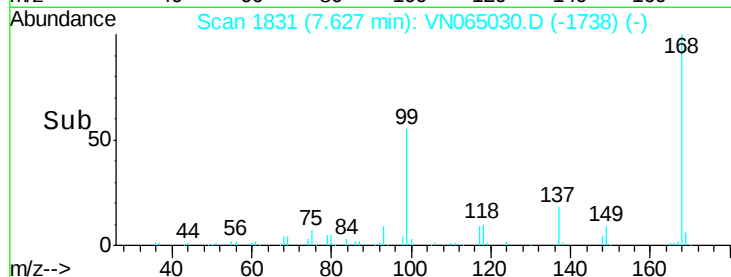
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 9.149 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN065030.D

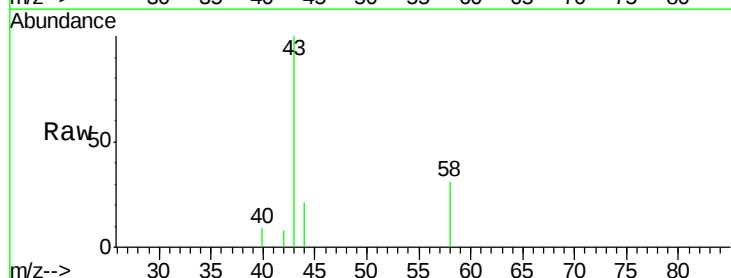
Acq: 9 Dec 2020 19:02

Tgt Ion: 43 Resp: 5668

Ion Ratio Lower Upper

43 100

58 30.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

2500

2000

1500

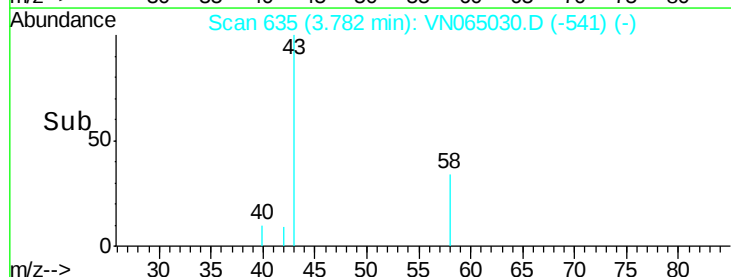
1000

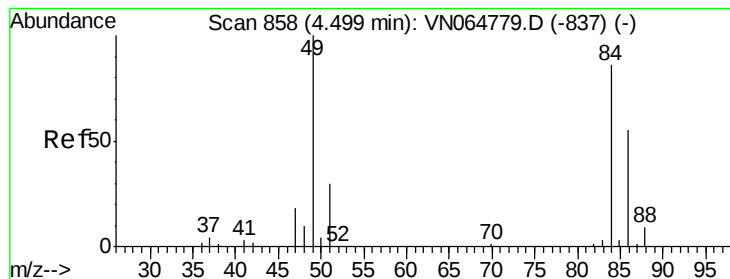
500

0

3.70 3.75 3.80 3.85

Time-->





#20

Methylene Chloride

Concen: 2.477 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.01 min

Lab File: VN065030.D

Acq: 9 Dec 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#11

Tot Ion: 84 Resp: 4808

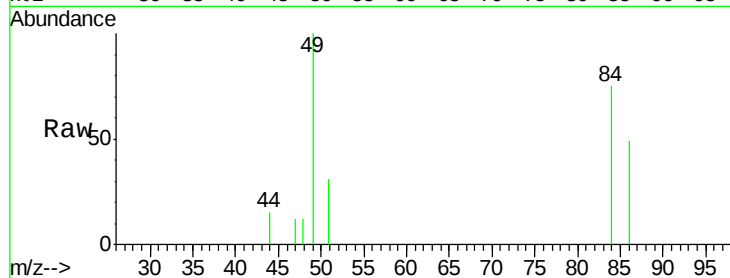
Ion Ratio Lower Upper

84 100

49 133.4 93.4 140.0

51 41.8 28.2 42.4

86 64.8 51.7 77.5

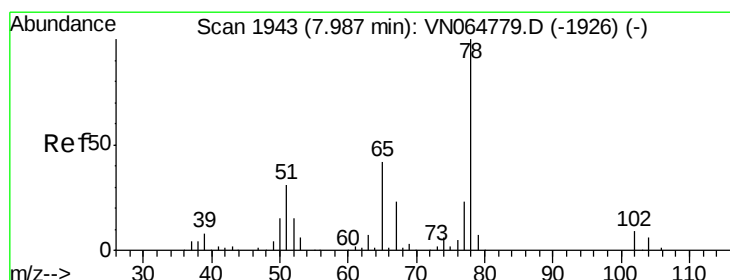
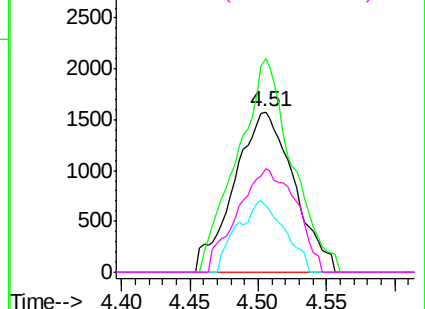
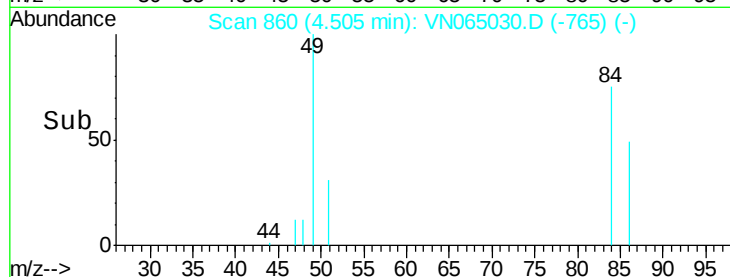


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 57.524 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN065030.D

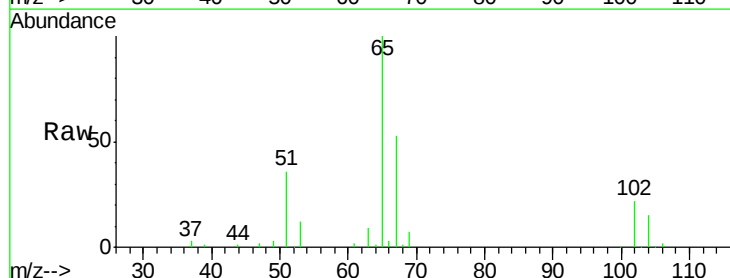
Acq: 9 Dec 2020 19:02

Tgt Ion: 65 Resp: 108410

Ion Ratio Lower Upper

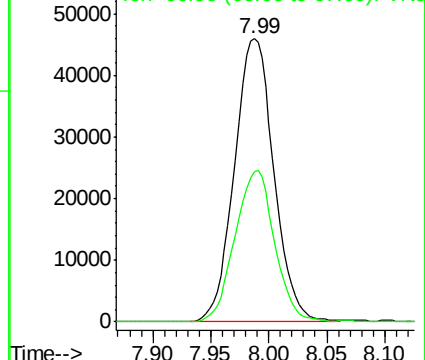
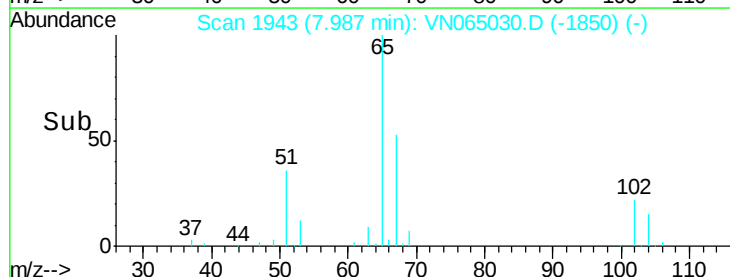
65 100

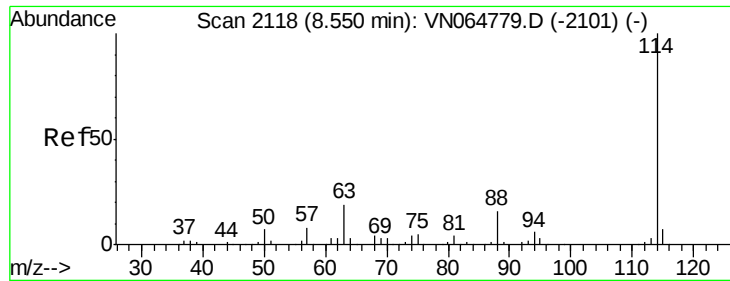
67 53.6 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

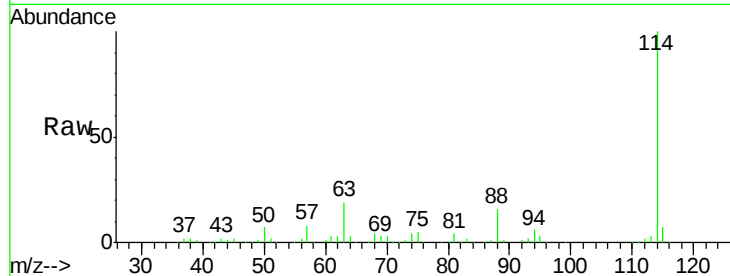




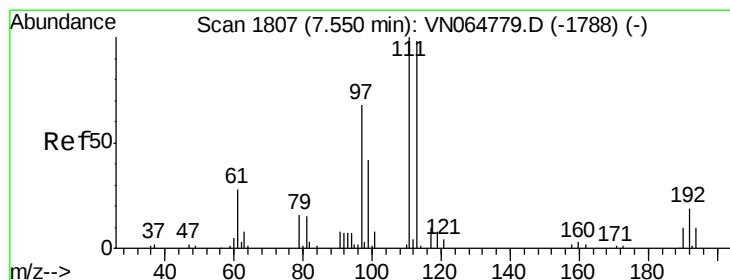
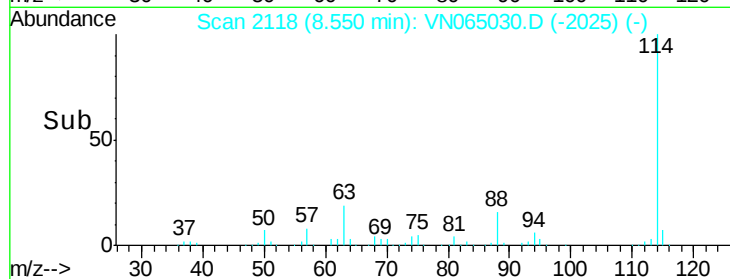
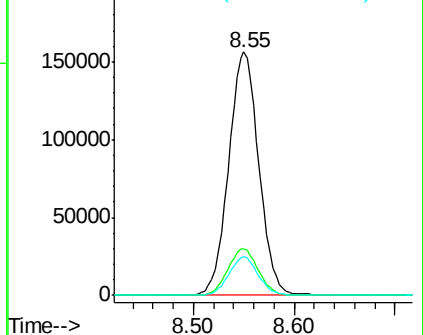
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065030.D
 Acq: 9 Dec 2020 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133472ZHE#11

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.6
88	15.7	0.0	32.6

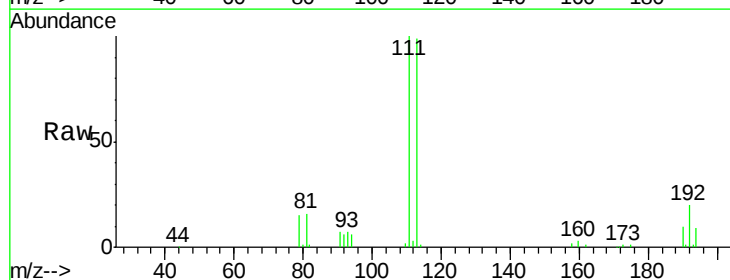


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

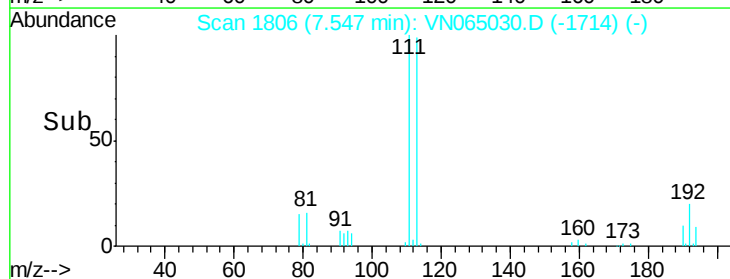
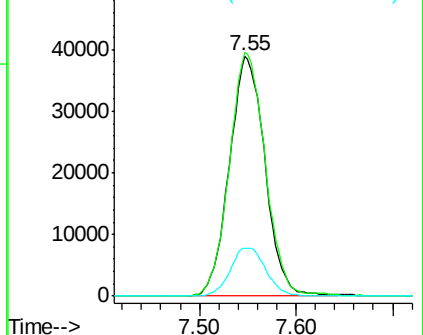


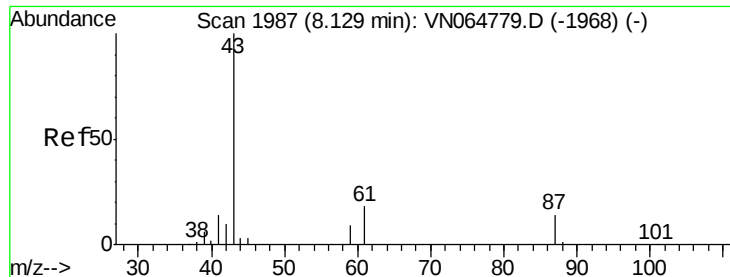
#35
 Dibromofluoromethane
 Concen: 51.301 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN065030.D
 Acq: 9 Dec 2020 19:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.6	122.4
192	20.0	16.2	24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 3.935 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN065030.D

Acq: 9 Dec 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#11

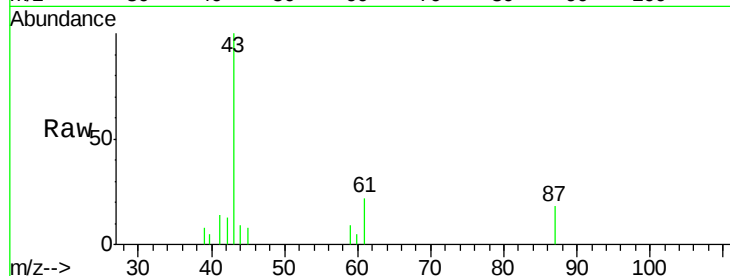
Tot Ion: 43 Resp: 18352

Ion Ratio Lower Upper

43 100

61 16.6 17.2 25.8#

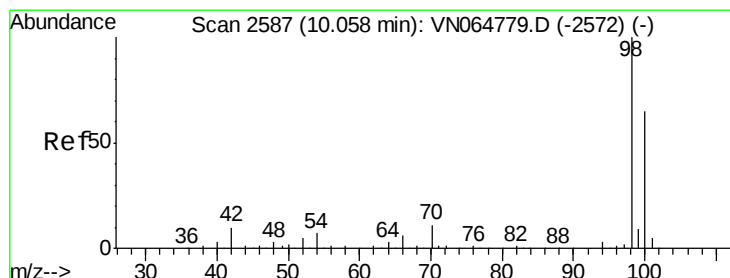
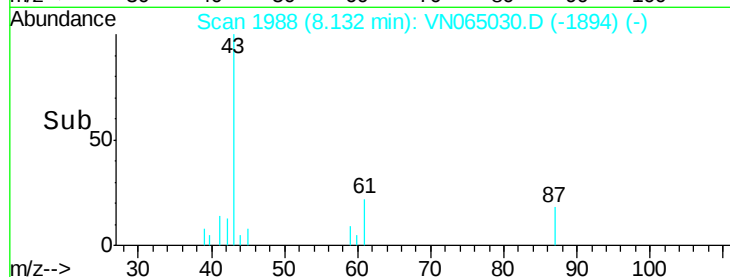
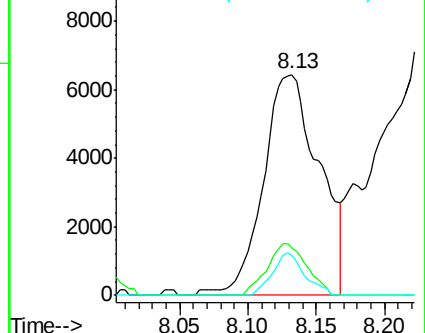
87 11.0 11.4 17.0#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



#50

Toluene-d8

Concen: 50.951 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN065030.D

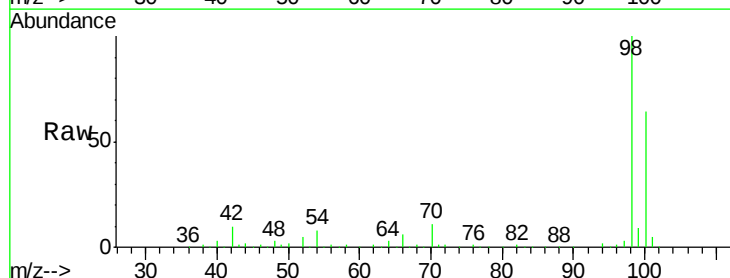
Acq: 9 Dec 2020 19:02

Tgt Ion: 98 Resp: 404390

Ion Ratio Lower Upper

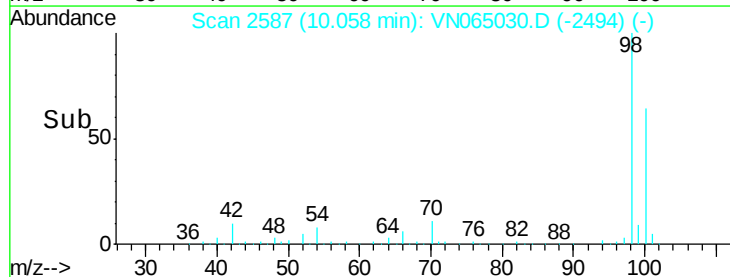
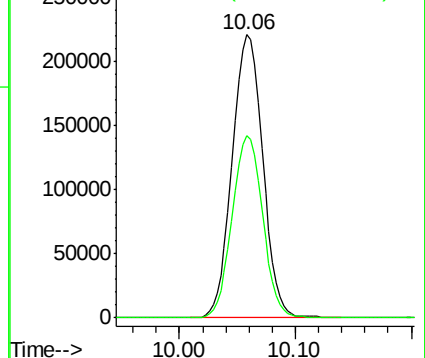
98 100

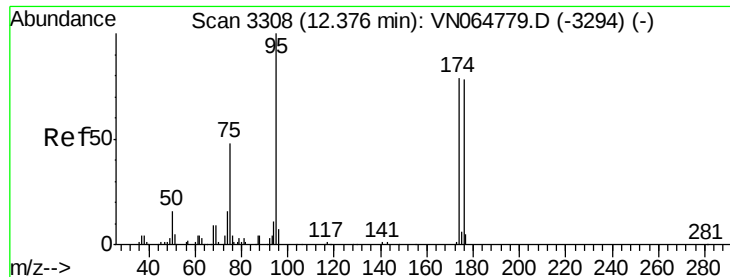
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)





#62

4-Bromofluorobenzene

Concen: 51.774 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065030.D

Acq: 9 Dec 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#11

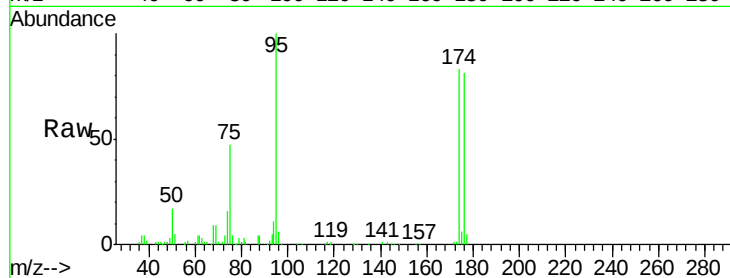
Tot Ion: 95 Resp: 147062

Ion Ratio Lower Upper

95 100

174 83.0 0.0 160.4

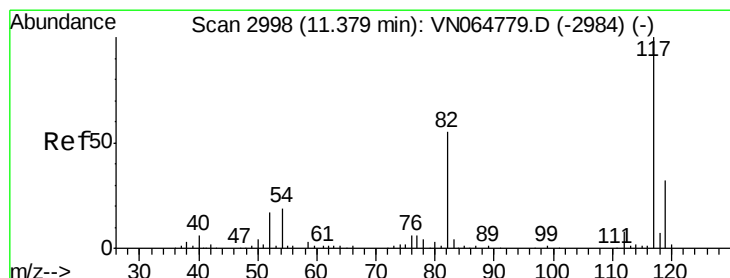
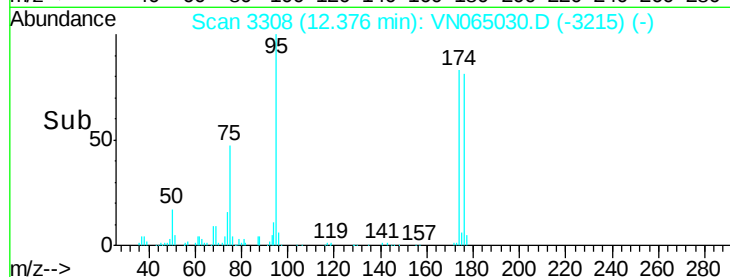
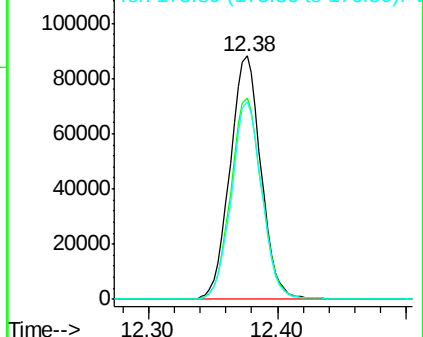
176 80.1 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN065030.D

Acq: 9 Dec 2020 19:02

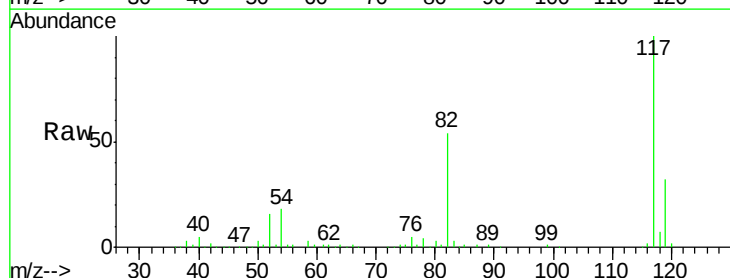
Tgt Ion: 117 Resp: 337083

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

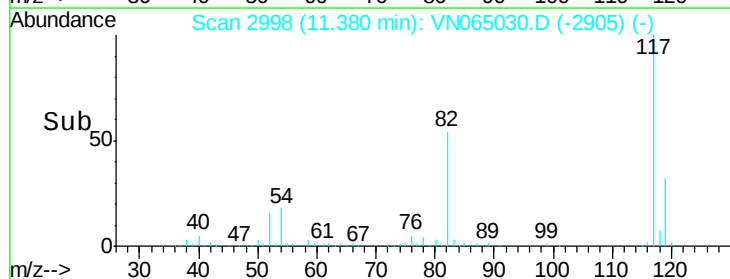
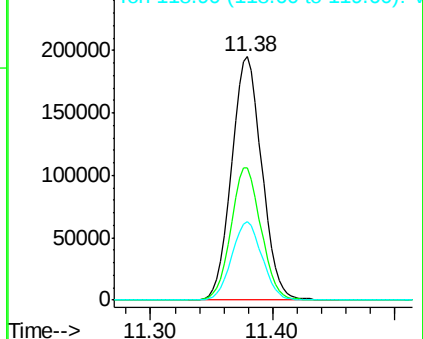
119 32.1 25.8 38.6

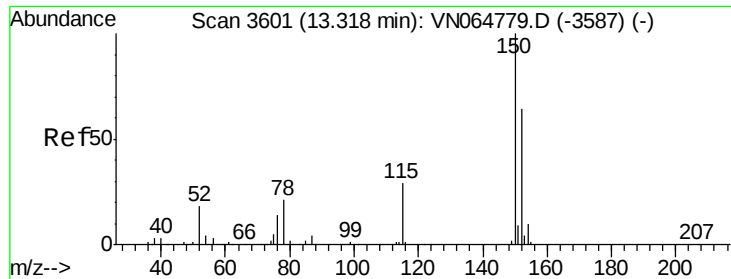


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065030.D

Acq: 9 Dec 2020 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB133472ZHE#11

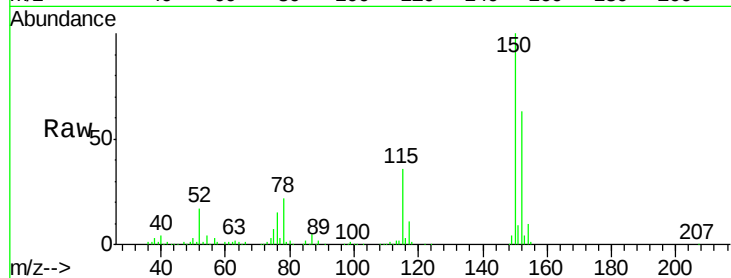
Tot Ion:152 Resp: 136758

Ion Ratio Lower Upper

152 100

115 58.0 29.7 89.1

150 156.8 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

